

STATEMENT OF QUALIFICATIONS

Name of Lab: Scientific Crime Detection Laboratory
5500 E. Tudor Road
Anchorage, AK 99507

Date: June 11, 2009

Name: Veronica L. DeBoer
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Job Title: Forensic Scientist

Discipline(s): Indicate all areas in which you do casework.

CODIS DNA analysis.

Education: List all higher academic institutions attended.

Institution	Dates attended	Major	Degree completed
Michigan State University	1986-1991	Microbiology	B.S.
University of Idaho		Restoration Ecology	
University of Alaska		Molecular Biology and Plant Science	

Other Training: List continuing education, workshops, in-service and other formal training received.

July 2008 Expert Witness Testimony Techniques, instructed by Ron Smith, held at the Alaska Scientific Crime Detection Laboratory in Anchorage, AK (16 hours).

August 2008 GeneMapper ID-X v1.0 Software Training Installation, Data Analysis, Validation and Use as an Expert System, instructed by April Orbinson, held at the Alaska Scientific Crime Detection Laboratory in Anchorage, AK.

Employment History: List all scientific or technical positions held, particularly those related to forensic sciences. List current position first. Give a brief summary of principal duties and tenure in each position.

(1) **Job Title:** Forensic Scientist I
Employer: State of Alaska
Principal Duties: Under immediate supervision, perform supervised analysis of offender samples for inclusion in the Combined DNA Index System (CODIS) database. Assist in preparing and validating/verifying laboratory reagents and chemicals. Participate in research and validation studies for new laboratory methods/equipment under the direction of the technical manager.
Tenure: June 2008 to Present

(2) **Job Title:** Biological Science Technician
Employer: U.S. Department of Agriculture
Principal Duties: Conduct genetic analysis of plant germplasm maintained at the Subarctic Agricultural Research Unit. Work on optimization of nucleic acid extraction protocols from selected plant species. Apply molecular techniques including gel electrophoresis and molecular marker protocols such as Amplified Fragment Length Polymorphism and sequencing of target plant DNA regions. Conduct cytogenetic analysis including chromosome counts. Maintained and propagated germplasm in tissue culture and greenhouse experiments. Generate Standard Operating Procedures for laboratory processes and data review of experimental results.

- Tenure: Oct 2005 – June 2008
- (3) Job Title: Microbiologist III
Employer: State of Alaska
Principal Duties: U.S. Environmental Protection Agency (EPA) approved Laboratory Certification Officer for the microbiological analysis of public drinking water. Conducted on-site review of approximately 35 laboratories for adherence to laboratory Quality Assurance/Quality Control criteria. Conducted and designed training program for analysts working in certified laboratories on the microbiological analysis of drinking water. Held approvals through U.S. Food and Drug Administration for dairy and seafood /shellfish analysis and U. S. EPA for drinking water analysis.
- Tenure: June 1994 – Sept 2005
- (4) Job Title: Quality Control Supervisor
Employer: Matanuska Maid Dairy
Principal Duties: In charge of oversight of plant quality control laboratory. Prepared laboratory data reports and performed product analysis including testing for coliform, Standard Plate Count (SPC), psychotrophic, and thermoduric bacteria, as well as fat and solid content of finished products.
- Tenure: November 1991 – May 1994

Other Qualifications: List below any scientific publication and/or presentation you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist.

Kuhl, J.C. and **DeBoer, V.L.** 2008. Genetic Diversity of Rhubarb Cultivars. Journal American Society of Horticultural Science. 133 (4); 587-592.

“Microbiological Analysis of Public Drinking Water” – Laboratory course covering principle, methodology, and Quality Assurance/Quality Control criteria taught to laboratory professionals from Federal, State, Municipal, and private commercial laboratories.

“Analysis of *Cryptosporidium* in Drinking Water” – Technical seminar presented to State of Alaska Department of Environmental Conservation Drinking Water Program Staff and Public Health personnel on various methods and limitations of analysis for *Cryptosporidium* covered by the U.S. Environmental Protection Agency Surface Water Treatment Rule.